CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

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QC ABSTRACT

Nameof Work: Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

SI. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes Results
1	1:4:8	11.03 Cum	1	1	Pass
2	Steel	2.79 Tonne	1	1	Pass
3	M25	18.60 Cum	3	3	Pass
4	CC Blocks (400x200x150)	109.02 Sqm	1	1	Pass
5	CC Blocks (400x100x150)	47.26 Sqm	1	1	Pass
6	Ceramic Tiles	37.37 Sqm	1	1	Pass
7	Colour Glazed Tiles	175.48 Sqm	1	1	Pass
8	PVC Pipes-32mm	50.00Rmt	1	1	Pass
9	CPVC Pipes-25mm	20.00Rmt	1	1	Pass

Cubes	0-5 Cum	1Set
	6-15 Cum	2Set
	16-30 Cum	3Set
	31-50 Cum	4Set
	Add 1set for extra 50Cum	

AE 13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 01.07.2022

TEST REPORT

CLIENT	:	**Assistant Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
AGENCY	:	**Sri Ramachandra,** Contractor, Bangalore.
NAME OF THE WORK	:	Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.
SAMPLE ID	:	Cement (Zuari OPC 53 Grade)
DATE OF MANUFACTURE		May-2022
DATE OF TESTING		29.06.2022 to 01.07.2022
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269-2015
1	a) Initial Setting Time	IS-4031 (Part -5)	140 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	335 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

Note:

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Authorised Signatory

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Job No.: CACE/BBMP/RC/W.No.13/2022-23

TEST REPORT ON FINE AGGREGATES (SAND)

Date : 01.07.2022

Client Agency : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Name of Work : Sri Ramachandra, Contractor, Bangalore.

: Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 01.07.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	87	8.70	8.70	91.3	90-100
2.36	126	12.60	21.30	78.7	75-100
1.18	191	19.10	40.40	59.6	55-90
600 Micron	163	16.30	56.70	43.3	35-59
300 Micron	249	24.90	81.60	18.4	8-30
150 Micron	135	13.50	95.10	4.9	0-10

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Job No.: CACE/BBMP/RC/W.No.13/2022-23

Date 01.07.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing 01.07.2022

Material : Plastering Sand

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	25	2.50	2.50	97.5	95-100
2.36	31	3.10	5.60	94.4	95-100
1.18	58	5.80	11.40	88.6	90-100
600 Micron	75	7.50	18.90	81.1	80-100
300 Micron	260	26.00	44.90	55.1	20-65
150 Micron	506	50.60	95.50	4.5	0-15

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AE-13

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date : 01.07.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Agency : Sri Ramachandra, Contractor, Bangalore.

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 01.07.2022

Material : Sand - Masonry Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	15	1.50	1.50	98.5	90-100
1.18	42	4.20	5.70	94.3	70-100
600 Micron	89	8.90	14.60	85.4	40-100
300 Micron	247	24.70	39.30	60.7	5-70
150 Micron	485	48.50	87.80	12.2	0-15

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Date : 01.07.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 01.07.2022

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	185	3.7	3.7	96.3	95-100
10	2455	49.1	52.8	47.2	25-55
4.75	1948	39.0	91.8	8.2	0-10

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Date : 01.07.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 01.07.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	194	1.29	1.29	98.71	95-100
20	8211	54.74	56.03	43.97	30-70
10	3274	21.83	77.86	22.14	10-35
4.75	2816	18.77	96.63	3.37	0-5

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Job No.: CACE/BBMP/RC/W.No.13/2022-23

Date : 02.07.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm " Fe500 TMT Bars"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 02.07.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.397	548	627	1.14	14.5
2	TMT	10	0.619	555	646	1.16	14.5
3	TMT	12	0.891	565	660	1.17	15

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date : 02.07.2022

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Agency : Sri Ramachandra, Contractor, Bangalore.

Name of the Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing :02.07.2022

Size of Blocks : 400mm x 100mm x 200mm

Cross Sectional Area : 40000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 01

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	21.2	165.1	4.13	265.00	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	21.5	167.8	4.20	268.75	
3	Block 3	21.1	164.3	4.11	263.75	
4	Block 4	21.9	169.3	4.23	273.75	

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Job No.:CACE/BBMP/RC/W.No.13/2022-23 Date : 02.07.2022

TEST REPORT ON CEMENT CONCRETE BLOCKS

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of the Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Date of Testing : 02.07.2022

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (N)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	32.5	335.0	4.19	2031.25	Minimum required Compressive Strength of Individual Units 4.00N/mm^2
2	Block 2	34.2	340.2	4.25	2137.50	
3	Block 3	35.4	342.7	4.28	2212.50	
4	Block 4	33.6	338.1	4.23	2100.00	

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 11.07.2022

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency : **Sri Ramachandra, Contractor, Bangalore.**

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample Supplied by : AGENCY

BIS Code : IS 4985:2000

Sample Identification : PVC pipe 32mm dia

Date of Testing : 11.07.2022

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	32	32 mm
2	Mean Outside Diameter (mm)	32.3	Min 32 mm Max 32.3mm
3	Outside Diameter at Any Point (mm)	32.4	Min 31.5 mm Max 32.5 mm

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 11.07.2022

TEST REPORT ON CPVC PIPE

Client : Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.

Agency : Sri Ramachandra, Contractor, Bangalore.

Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample Supplied by: :AGENCY

BIS Code: IS 13360(Part3/Sec 1):1995
IS 15778:2007

Sample Identification: CPVC pipe 25mm dia

Date of Testing 11.07.2022

Sl.No	Test	Test Result	Requirements as per IS: 15778:2007
1	Nominal Outer Diameter (mm)	27.1	27.2 mm
2	Mean Outside Diameter (mm)	27.1	Min 27.1 mm Max 27.3 mm
3	Outside Diameter at Any Point (mm)	27.2	Min 27 mm Max 27.4 mm
4	Density	1485 Kg/m^3	1450 Kg/m^3 & 1650 Kg/m^3

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 18.07.2022

TEST REPORT ON COLOUR GLAZED TILES

*Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

*Agency : **Sri Ramachandra, Contractor, Bangalore.**

*Name of Work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Technical Reference : IS: 13630 - 2006 - Method of Testing Colour Glazed Tiles
IS 15622 - 2006 - Specification of Colour Glazed Tiles

No. of Samples Tested : 05 (Five)

Date of Testing :14.07.2022 to 18.07.2022

I. MODULUS OF RUPTURE

Sl. No.	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	47.9	48.16	Average 47, indivisual minimum 44 N/mm^2
2	48.2		
3	48.6		
4	47.6		
5	48.5		

II. CHEMICAL RESISTANCE

Sl. No.	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	No visible effect	Class AA, min (13630 Part 8)
2	No visible effect	
3	No visible effect	
4	No visible effect	
5	No visible effect	

AE-13

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No. 01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Bangalore - 560 073.
Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

III. **STAIN RESISTANCE**

Sl. No.	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	Stain Removed by Water	Class 1, min (13630 Part 8)
2	Stain Removed by Water	
3	Stain Removed by Water	
4	Stain Removed by Water	
5	Stain Removed by Water	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ (ಶಕ್ತಿ) ಅಭಿಯಂತರು
ಕೆಬ್ಬಿಜೆಳ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಕೆ, ಬೆಂಗಳೂರು

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

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NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date : 18.07.2022

TEST REPORT ON CERAMIC TILES

*Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

*Contractor : **Sri Ramachandra, Contractor, Bangalore.**

*Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Technical Reference : IS: 13630 - 2006 - Method of Testing Ceramic Tiles
IS 15622 - 2006 - Specification of Ceramic Tiles

No. of Samples Tested : 05 (Five)

Date of Testing : 14.07.2022 to 18.07.2022

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.9	48.1	48.04	Average 47, individual minimum 44 N/mm^2
2	300x300x5.9	47.7		
3	300x300x5.8	47.8		
4	300x300x5.8	48.2		
5	300x300x5.7	48.4		

II. CHEMICAL RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.9	No visible effect	Class AA, min (13630 Part 8)
2	300x300x5.9	No visible effect	
3	300x300x5.8	No visible effect	
4	300x300x5.8	No visible effect	
5	300x300x5.7	No visible effect	

AE-13

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

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Ph: 9591618639, GSTIN: 29CNWPD9510K1ZB, Email: civilaimconsultants@gmail.com

III. STAIN RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x5.9	Stain Removed by Water	Class 1, min (13630 Part 8)
2	300x300x5.9	Stain Removed by Water	
3	300x300x5.8	Stain Removed by Water	
4	300x300x5.8	Stain Removed by Water	
5	300x300x5.7	Stain Removed by Water	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
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Job No.: CACE/BBMP/RC/W.No.13/2022-23

Date: 11.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency :**Sri Ramachandra, Contractor, Bangalore.**

Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample ID : Cement concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.07.2022	11.07.2022	8.148	400.8	17.81
2	04.07.2022	11.07.2022	8.152	405.2	18.12
3	04.07.2022	11.07.2022	8.119	416.2	18.16

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 01.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency :**Sri Ramachandra, Contractor, Bangalore.**

Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample ID : Cement concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.07.2022	01.08.2022	8.170	626.3	27.14
2	04.07.2022	01.08.2022	8.184	608.2	27.65
3	04.07.2022	01.08.2022	8.205	598.6	27.54

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ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 18.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**
Agency	**:Sri Ramachandra, Contractor, Bangalore.**
Name of the work	: Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.
Sample ID	: Cement concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.07.2022	18.07.2022	8.128	395.6	17.14
2	11.07.2022	18.07.2022	8.156	389.1	18.10
3	11.07.2022	18.07.2022	8.164	408.1	18.60

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 08.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency :**Sri Ramachandra, Contractor, Bangalore.**

Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample ID : Cement concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.07.2022	08.08.2022	8.186	623.6	27.16
2	11.07.2022	08.08.2022	8.191	635.2	26.34
3	11.07.2022	08.08.2022	8.156	618.9	27.51

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 28.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency :**Sri Ramachandra, Contractor, Bangalore.**

Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample ID : Cement concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.07.2022	28.07.2022	8.165	389.6	17.24
2	21.07.2022	28.07.2022	8.152	405.2	18.10
3	21.07.2022	28.07.2022	8.119	416.2	18.24

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Job No.: CACE/BBMP/RC/W.No.13/2022-23 Date: 18.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Shettyhalli Sub Division, BBMP, Bangalore.**

Agency :**Sri Ramachandra, Contractor, Bangalore.**

Name of the work : Construction of Ladies toilets at Government schools in Mallasandra in ward No.13,Shettyhalli sub division, BBMP, Bangalore.

Sample ID : Cement concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.07.2022	18.08.2022	8.144	626.3	29.15
2	21.07.2022	18.08.2022	8.153	608.2	28.14
3	21.07.2022	18.08.2022	8.172	598.6	26.14

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